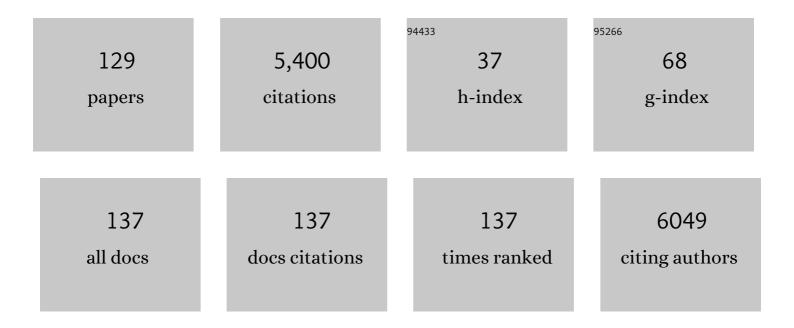
Christopher Franco

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Isolation and Identification of Actinobacteria from Surface-Sterilized Wheat Roots. Applied and Environmental Microbiology, 2003, 69, 5603-5608.	3.1	495
2	Marine Sponge Derived Natural Products between 2001 and 2010: Trends and Opportunities for Discovery of Bioactives. Marine Drugs, 2014, 12, 4539-4577.	4.6	332
3	Endophytic Actinobacteria Induce Defense Pathways in <i>Arabidopsis thaliana</i> . Molecular Plant-Microbe Interactions, 2008, 21, 208-218.	2.6	320
4	Purification, molecular cloning, and characterization of glutathione S-transferases (GSTs) from pigmented Vitis vinifera L. cell suspension cultures as putative anthocyanin transport proteins. Journal of Experimental Botany, 2008, 59, 3621-3634.	4.8	193
5	Analysis of the Endophytic Actinobacterial Population in the Roots of Wheat (Triticum aestivum L.) by Terminal Restriction Fragment Length Polymorphism and Sequencing of 16S rRNA Clones. Applied and Environmental Microbiology, 2004, 70, 1787-1794.	3.1	174
6	Evaluation of endophytic actinobacteria as antagonists of Gaeumannomyces graminis var. tritici in wheat. Biological Control, 2004, 29, 359-366.	3.0	172
7	Hydrophobic properties and chemical characterisation of natural water repellent materials in Australian sands. Journal of Hydrology, 2000, 231-232, 47-58.	5.4	163
8	Functions, applications and production of protein hydrolysates from fish processing co-products (FPCP). Food Research International, 2013, 50, 289-297.	6.2	159
9	Visualization of an Endophytic Streptomyces Species in Wheat Seed. Applied and Environmental Microbiology, 2003, 69, 4260-4262.	3.1	110
10	Studies on non-wetting sands .1. The role of intrinsic particulate organic-matter in the development of water-repellency in non-wetting sands. Soil Research, 1995, 33, 253.	1.1	109
11	Pathogen and Particle Associations in Wastewater. Advances in Applied Microbiology, 2016, 97, 63-119.	2.4	109
12	Rational Approaches to Improving the Isolation of Endophytic Actinobacteria from Australian Native Trees. Microbial Ecology, 2013, 65, 384-393.	2.8	102
13	Integration of jasmonic acid and light irradiation for enhancement of anthocyanin biosynthesis in Vitis vinifera suspension cultures. Plant Science, 2002, 162, 459-468.	3.6	101
14	Effect of Microbial Inoculants on the Indigenous Actinobacterial Endophyte Population in the Roots of Wheat as Determined by Terminal Restriction Fragment Length Polymorphism. Applied and Environmental Microbiology, 2004, 70, 6407-6413.	3.1	100
15	The development of seaweed-derived bioactive compounds for use as prebiotics and nutraceuticals using enzyme technologies. Trends in Food Science and Technology, 2017, 70, 20-33.	15.1	99
16	Evaluation of ACC-deaminase-producing rhizobacteria to alleviate water-stress impacts in wheat (<i>Triticum aestivum</i> L.) plants. Canadian Journal of Microbiology, 2019, 65, 387-403.	1.7	86
17	Manipulating anthocyanin composition in Vitis vinifera suspension cultures by elicitation with jasmonic acid and light irradiation. Biotechnology Letters, 2003, 25, 1131-1135.	2.2	73
18	Improved antioxidant activities of brown seaweed Ecklonia radiata extracts prepared by microwave-assisted enzymatic extraction. Journal of Applied Phycology, 2015, 27, 2049-2058.	2.8	73

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19	Impact of extraction processes on prebiotic potential of the brown seaweed Ecklonia radiata by in vitro human gut bacteria fermentation. Journal of Functional Foods, 2016, 24, 221-230.	3.4	67
20	Anthocyanic vacuolar inclusions (AVIs) selectively bind acylated anthocyanins in Vitis vinifera L. (grapevine) suspension culture. Biotechnology Letters, 2003, 25, 835-839.	2.2	62
21	Actinobacterial endophytes for improved crop performance. Australasian Plant Pathology, 2007, 36, 524.	1.0	62
22	Enzyme-assisted extraction of carbohydrates from the brown alga Ecklonia radiata : Effect of enzyme type, pH and buffer on sugar yield and molecular weight profiles. Process Biochemistry, 2016, 51, 1503-1510.	3.7	62
23	Biocontrol of chickpea root rot using endophytic actinobacteria. BioControl, 2011, 56, 811-822.	2.0	61
24	Growth and lactic acid production in batch culture of Lactobacillus rhamnosus in a defined medium. Biotechnology Letters, 1999, 21, 163-167.	2.2	58
25	Phylum XXVI. Actinobacteria phyl. nov , 2012, , 33-2028.		58
26	Streptomyces turgidiscabies Secretes a Novel Virulence Protein, Nec1, Which Facilitates Infection. Molecular Plant-Microbe Interactions, 2007, 20, 599-608.	2.6	56
27	New marine natural products from sponges (Porifera) of the order Dictyoceratida (2001 to 2012); a promising source for drug discovery, exploration and future prospects. Biotechnology Advances, 2016, 34, 473-491.	11.7	56
28	Characterization of anthocyanic vacuolar inclusions in Vitis vinifera L. cell suspension cultures. Planta, 2010, 231, 1343-1360.	3.2	55
29	Discovery of Novel Saponins from the Viscera of the Sea Cucumber Holothuria lessoni. Marine Drugs, 2014, 12, 2633-2667.	4.6	55
30	Acetylated Triterpene Glycosides and Their Biological Activity from Holothuroidea Reported in the Past Six Decades. Marine Drugs, 2016, 14, 147.	4.6	55
31	The antifungal action mode of the rice endophyte Streptomyces hygroscopicus OsiSh-2 as a potential biocontrol agent against the rice blast pathogen. Pesticide Biochemistry and Physiology, 2019, 160, 58-69.	3.6	54
32	Biogeography and emerging significance of Actinobacteria in Australia and Northern Antarctica soils. Soil Biology and Biochemistry, 2020, 146, 107805.	8.8	54
33	Colonization of <i>Orchis morio</i> protocorms by a mycorrhizal fungus: effects of nitrogen nutrition and glyphosate in modifying the responses. Canadian Journal of Botany, 1995, 73, 1128-1140.	1.1	46
34	Decoding Wheat Endosphere–Rhizosphere Microbiomes in Rhizoctonia solani–Infested Soils Challenged by Streptomyces Biocontrol Agents. Frontiers in Plant Science, 2019, 10, 1038.	3.6	46
35	Polysaccharide and phlorotannin-enriched extracts of the brown seaweed Ecklonia radiata influence human gut microbiota and fermentation in vitro. Journal of Applied Phycology, 2017, 29, 2407-2416.	2.8	45
36	Nocardia callitridis sp. nov., an endophytic actinobacterium isolated from a surface-sterilized root of an Australian native pine tree. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 1532-1536.	1.7	43

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37	Treatment strategies for high resveratrol induction in Vitis vinifera L. cell suspension culture. Biotechnology Reports (Amsterdam, Netherlands), 2014, 1-2, 15-21.	4.4	43
38	Placental Infarction and Thrombophilia. Obstetrics and Gynecology, 2011, 117, 929-934.	2.4	41
39	Towards manipulation of post-biosynthetic events in secondary metabolism of plant cell cultures. Enzyme and Microbial Technology, 2002, 30, 688-696.	3.2	39
40	Sequential extraction and characterization of fucoidans and alginates from Ecklonia radiata, Macrocystis pyrifera, Durvillaea potatorum, and Seirococcus axillaris. Journal of Applied Phycology, 2017, 29, 1515-1526.	2.8	38
41	Field performance of bacterial inoculants to alleviate water stress effects in wheat (Triticum) Tj ETQq1 1 0.78431	4 ggBT /C)veglgck 10 Tf
42	Detection of Novel Secondary Metabolites. Critical Reviews in Biotechnology, 1991, 11, 193-276.	9.0	37
43	Structural Elucidation of Novel Saponins in the Sea Cucumber Holothuria lessoni. Marine Drugs, 2014, 12, 4439-4473.	4.6	37
44	Amelioration of water repellency: application of slow-release fertilisers to stimulate microbial breakdown of waxes. Journal of Hydrology, 2000, 231-232, 342-351.	5.4	36
45	Distribution of Saponins in the Sea Cucumber Holothuria lessoni; the Body Wall Versus the Viscera, and Their Biological Activities. Marine Drugs, 2018, 16, 423.	4.6	33
46	Isolation and characterisation of endophytic actinobacteria and their effect on the early growth and nodulation of lucerne (Medicago sativa L.). Plant and Soil, 2016, 405, 13-24.	3.7	32
47	Streptomyces kebangsaanensis sp. nov., an endophytic actinomycete isolated from an ethnomedicinal plant, which produces phenazine-1-carboxylic acid. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 3733-3738.	1.7	31
48	Pseudonocardia adelaidensis sp. nov., an endophytic actinobacterium isolated from the surface-sterilized stem of a grey box tree (Eucalyptus microcarpa). International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 2818-2822.	1.7	30
49	Endophytic Actinobacteria: Diversity and Ecology. , 2014, , 27-59.		30
50	Whole Cell Actinobacteria as Biocatalysts. Frontiers in Microbiology, 2019, 10, 77.	3.5	30
51	To Stretch the Boundary of Secondary Metabolite Production in Plant Cell-Based Bioprocessing: Anthocyanin as a Case Study. Journal of Biomedicine and Biotechnology, 2004, 2004, 264-271.	3.0	29
52	Pseudonocardia eucalypti sp. nov., an endophytic actinobacterium with a unique knobby spore surface, isolated from roots of a native Australian eucalyptus tree. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 742-746.	1.7	29
53	Analogous wheat root rhizosphere microbial successions in field and greenhouse trials in the presence of biocontrol agents <i>Paenibacillus peoriae</i> SP9 and <i>Streptomyces fulvissimus</i> FU14. Molecular Plant Pathology, 2020, 21, 622-635.	4.2	29
54	Phencomycin, a New Antibiotic from a Streptomyces Species HIL Y-9031725 Journal of Antibiotics, 1995, 48, 1353-1354.	2.0	28

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55	Streptomyces roietensis sp. nov., an endophytic actinobacterium isolated from the surface-sterilized stem of jasmine rice, Oryza sativa KDML 105. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4868-4872.	1.7	27
56	Structure Elucidation of New Acetylated Saponins, Lessoniosides A, B, C, D, and E, and Non-Acetylated Saponins, Lessoniosides F and G, from the Viscera of the Sea Cucumber Holothuria lessoni. Marine Drugs, 2015, 13, 597-617.	4.6	26
57	Process optimisation and physicochemical characterisation of enzymatic hydrolysates of proteins from coâ€products of Atlantic Salmon (<i>Salmo salar</i>) and Yellowtail Kingfish (<i>Seriola) Tj ETQq1 1 0.7843</i>	1 4.7 gBT /	Overlock 10
58	Kribbella endophytica sp. nov., an endophytic actinobacterium isolated from the surface-sterilized leaf of a native apricot tree. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 1249-1253.	1.7	25
59	Process and economic feasibility for the production of functional food from the brown alga Ecklonia radiata. Algal Research, 2018, 29, 80-91.	4.6	25
60	Swalpamycin, a new macrolide antibiotic. II. Structure elucidation Journal of Antibiotics, 1987, 40, 1368-1374.	2.0	23
61	Fish Protein Hydrolysates: Application in Deepâ€Fried Food and Food Safety Analysis. Journal of Food Science, 2015, 80, E108-15.	3.1	23
62	Gut health benefits of brown seaweed Ecklonia radiata and its polysaccharides demonstrated in vivo in a rat model. Journal of Functional Foods, 2017, 37, 676-684.	3.4	23
63	On the structures of alisamycin, a new member of the manumycin class of antibiotics Journal of Antibiotics, 1993, 46, 1027-1030.	2.0	22
64	Selection of microbes for control of Rhizoctonia root rot on wheat using a high throughput pathosystem. Biological Control, 2017, 113, 45-57.	3.0	22
65	Significant increase in the secretion of extracellular vesicles and antibiotics resistance from methicillin-resistant Staphylococcus aureus induced by ampicillin stress. Scientific Reports, 2020, 10, 21066.	3.3	22
66	Flindersiella endophytica gen. nov., sp. nov., an endophytic actinobacterium isolated from the root of Grey Box, an endemic eucalyptus tree. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2135-2140.	1.7	21
67	The role of sponge-bacteria interactions: the sponge Aplysilla rosea challenged by its associated bacterium Streptomyces ACT-52A in a controlled aquarium system. Applied Microbiology and Biotechnology, 2016, 100, 10609-10626.	3.6	21
68	Actinomycetospora callitridis sp. nov., an endophytic actinobacterium isolated from the surface-sterilised root of an Australian native pine tree. Antonie Van Leeuwenhoek, 2019, 112, 331-337.	1.7	21
69	Micromonospora terminaliae sp. nov., an endophytic actinobacterium isolated from the surface-sterilized stem of the medicinal plant Terminalia mucronata. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 225-230.	1.7	21
70	Characterisation of processing wastes of Atlantic Salmon (<i>Salmo salar</i>) and Yellowtail Kingfish (<i>Seriola lalandi</i>) harvested in Australia. International Journal of Food Science and Technology, 2011, 46, 1898-1904.	2.7	20
71	Biology and Biotechnology of Actinobacteria. , 2017, , .		20
72	A new ansamycin antibiotic, naphthomycin H from a Streptomyces species Y-83,40369 Journal of Antibiotics, 1985, 38, 948-951.	2.0	19

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73	Alisamycin, a new antibiotic of the manumycin group. I. Taxonomy, production, isolation and biological activity Journal of Antibiotics, 1991, 44, 1289-1293.	2.0	19
74	Butalactin, a new butanolide antibiotic. Taxonomy, fermentation, isolation and biological activity Journal of Antibiotics, 1991, 44, 225-231.	2.0	18
75	Development of a multilocus-based approach for sponge (phylum Porifera) identification: refinement and limitations. Scientific Reports, 2017, 7, 41422.	3.3	18
76	Field assessment of microbial inoculants to control Rhizoctonia root rot on wheat. Biological Control, 2019, 132, 152-160.	3.0	17
77	Antimicrobial Activities of Marine Sponge-Associated Bacteria. Microorganisms, 2021, 9, 171.	3.6	17
78	Actinopolymorpha pittospori sp. nov., an endophyte isolated from surface-sterilized leaves of an apricot tree (Pittosporum phylliraeoides). International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 2616-2620.	1.7	16
79	Swalpamycin, a new macrolide antibiotic. I. Taxonomy of the producing organism, fermentation, isolation and biological activity Journal of Antibiotics, 1987, 40, 1361-1367.	2.0	14
80	Promicromonospora endophytica sp. nov., an endophytic actinobacterium isolated from the root of an Australian native Grey Box tree. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1687-1691.	1.7	14
81	Untapped sponge microbiomes: structure specificity at host order and family levels. FEMS Microbiology Ecology, 2019, 95, .	2.7	14
82	Discovery of antimicrobial activities of a marine diatom Thalassiosira rotula. African Journal of Microbiology Research, 2013, 7, 5687-5696.	0.4	13
83	Effects of endophytic Streptomyces and mineral nitrogen on Lucerne (Medicago sativa L.) growth and its symbiosis with rhizobia. Plant and Soil, 2016, 405, 25-34.	3.7	13
84	Kribbella pittospori sp. nov., an endophytic actinobacterium isolated from the surface-sterilized stem of an Australian native apricot tree, Pittosporum angustifolium. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2284-2290.	1.7	13
85	Characterisation of the shrinkage of calcium alginate gel membrane with immobilised Lactobacillus rhamnosus. Applied Microbiology and Biotechnology, 2000, 54, 28-32.	3.6	12
86	Sponge-associated actinobacterial diversity: validation of the methods of actinobacterial DNA extraction and optimization of 16S rRNA gene amplification. Applied Microbiology and Biotechnology, 2015, 99, 8731-8740.	3.6	12
87	Uncovering the hidden marine sponge microbiome by applying a multi-primer approach. Scientific Reports, 2019, 9, 6214.	3.3	12
88	Intracellular Bacteria in Plants: Elucidation of Abundant and Diverse Cytoplasmic Bacteria in Healthy Plant Cells Using In Vitro Cell and Callus Cultures. Microorganisms, 2021, 9, 269.	3.6	12
89	Complete sequencing and analysis of pEN2701, a novel 13-kb plasmid from an endophytic Streptomyces sp Plasmid, 2003, 49, 86-92.	1.4	11
90	Genome mining and description of Streptomyces albidus sp. nov., an endophytic actinobacterium with antibacterial potential. Antonie Van Leeuwenhoek, 2021, 114, 539-551.	1.7	11

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91	Isolation and characterisation of endophytic actinobacteria and their effect on the growth and nodulation of chickpea (Cicer arietinum). Plant and Soil, 2021, 466, 357-371.	3.7	11
92	Streptomyces adelaidensis sp. nov., an actinobacterium isolated from the root of Callitris preissii with potential for plant growth-promoting properties. Archives of Microbiology, 2021, 203, 3341-3352.	2.2	9
93	Purification and Characterization of a Novel Alginate Lyase from a Marine Streptomyces Species Isolated from Seaweed. Marine Drugs, 2021, 19, 590.	4.6	9
94	Endophytic Actinobacteria: Beneficial Partners for Sustainable Agriculture. Sustainable Development and Biodiversity, 2017, , 171-191.	1.7	8
95	Pseudonocardia pini sp. nov., an endophytic actinobacterium isolated from roots of the pine tree Callitris preissii. Archives of Microbiology, 2021, 203, 3407-3413.	2.2	8
96	Promicromonospora callitridis sp. nov., an endophytic actinobacterium isolated from the surface-sterilized root of an Australian native pine tree. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3559-3563.	1.7	8
97	Butalactin: a new butanolide antibiotic from streptomyces corchorusii. Tetrahedron Letters, 1991, 32, 141-144.	1.4	7
98	Complete Genome Sequences of the Endophytic <i>Streptomyces</i> Strains EN16, EN23, and EN27, Isolated from Wheat Plants. Genome Announcements, 2016, 4, .	0.8	7
99	Complete Genome Sequences of the Endophytic <i>Streptomyces</i> sp. Strains LUP30 and LUP47B, Isolated from Lucerne Plants. Genome Announcements, 2017, 5, .	0.8	7
100	Characterization of a Halotolerant Fungus from a Marine Sponge. BioMed Research International, 2019, 2019, 1-9.	1.9	7
101	Amycolatopsis pittospori sp. nov., an endophytic actinobacterium isolated from native apricot tree and genome mining revealed the biosynthesis potential as antibiotic producer and plant growth promoter. Antonie Van Leeuwenhoek, 2021, 114, 365-377.	1.7	7
102	Micromonospora veneta sp. nov., an endophytic actinobacterium with potential for nitrogen fixation and for bioremediation. Archives of Microbiology, 2021, 203, 2853-2861.	2.2	7
103	Revealing the underlying mechanisms mediated by endophytic actinobacteria to enhance the rhizobia - chickpea (Cicer arietinum L.) symbiosis. Plant and Soil, 2022, 474, 299-318.	3.7	7
104	Critical assessment of quasi-steady-state method to determine effective diffusivities in alginate gel membranes. Biochemical Engineering Journal, 1999, 4, 55-63.	3.6	6
105	Microbispora clausenae sp. nov., an endophytic actinobacterium isolated from the surface-sterilized stem of a Thai medicinal plant, Clausena excavala Burm. f International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 6213-6219.	1.7	6
106	A two-stage process with temperature-shift for enhanced anthocyanin production in strawberry cell suspension cultures. Science in China Series B: Chemistry, 1999, 42, 345-350.	0.8	4
107	Response of Sponge Microbiomes to Environmental Variations. , 2019, , 181-247.		4
108	Assessment of the Capacity of Beneficial Bacterial Inoculants to Enhance Canola (Brassica napus L.) Growth under Low Water Activity. Agronomy, 2020, 10, 1449.	3.0	4

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109	The Order Pseudonocardiales. , 2014, , 743-860.		4
110	Factors affecting the isolation and diversity of marine sponge-associated bacteria. Applied Microbiology and Biotechnology, 2022, 106, 1729-1744.	3.6	4
111	Streptomyces spinosus sp. nov. and Streptomyces shenzhenensis subsp. oryzicola subsp. nov. endophytic actinobacteria isolated from Jasmine rice and their genome mining for potential as antibiotic producers and plant growth promoters. Antonie Van Leeuwenhoek, 0, , .	1.7	4
112	An improved procedure for characterization of spatial and temporal evolution of immobilized cells in gel membranes. Applied Microbiology and Biotechnology, 2001, 56, 693-699.	3.6	3
113	Chemical characterisation of water repellent materials in Australian sands. , 2003, , 37-48.		3
114	Endophytic Actinobacteria in Biosynthesis of Bioactive Metabolites and Their Application in Improving Crop Yield and Sustainable Agriculture. , 2022, , 119-150.		3
115	Grividomycins I, II and III, new antibiotics of the streptogramin class from Streptomyces sp. HIL Y-8240155. Tetrahedron, 1998, 54, 7625-7632.	1.9	2
116	Characterisation of anthocyanin transport and storage in Vitis vinifera L. cv. Gamay Fréaux cell suspension cultures. Journal of Biotechnology, 2007, 131, S208.	3.8	2
117	A controlled aquarium system and approach to study the role of sponge-bacteria interactions using Aplysilla rosea and Vibrio natriegens. Scientific Reports, 2018, 8, 11801.	3.3	2
118	Inoculation Effects in the Rhizosphere: Diversity and Function. Rhizosphere Biology, 2021, , 339-356.	0.6	2
119	Characterizing the Heterogeneity of an Immobilized Cell Gel Matrix. Engineering in Life Sciences, 2002, 2, 409-414.	3.6	1
120	Economic Feasibility Analysis of the Industrial Production of Fish Protein Hydrolysates using Conceptual Process Simulation Software. Journal of Bioprocessing & Biotechniques, 2015, 05, .	0.2	1
121	Symbiosis and Pathogenicity of Actinobacteria. , 2017, , 233-268.		1
122	Microbispora Dominate Diversity of Endophytic Actinobacteria from Australian Rice Plants. , 2019, , 167-187.		1
123	Cytobacts: Abundant and Diverse Vertically Seed-Transmitted Cultivation-Recalcitrant Intracellular Bacteria Ubiquitous to Vascular Plants. Frontiers in Microbiology, 2022, 13, 806222.	3.5	1
124	Factors influencing leakage of intermediates from yeast grown in continuous culture. Transactions of the British Mycological Society, 1985, 85, 279-283.	0.6	0
125	Isolation and Identification of Actinobacteria from Plant Roots. Applied and Environmental Microbiology, 2004, 70, 3794-3794.	3.1	0
126	Intracellular ribonucleotide pools as a tool for monitoring the physiological state of plant cell suspension culture of Vitis vinifera in response to temperature change. Journal of Biotechnology, 2008, 136, S480.	3.8	0

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127	University biotechnology education in Australia in an international context. Journal of Biotechnology, 2008, 136, S770.	3.8	0
128	Secondary metabolites from microorganisms isolated from marine sponges from 2000 to 2012. , 2015, , 279-316.		0
129	Pseudonocardia adelaidensis sp. nov., an endophytic actinobacterium isolated from the surface-sterilized stem of a grey box tree (Eucalyptus microcarpa). International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 700-700.	1.7	0